

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2005/000089

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>  <b>B01D-53/26, B01D-45/08, B01D-5/00</b> According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>  Minimum documentation searched (classification system followed by classification symbols) <b>IPC<sup>7</sup>: B01D</b>		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used) <b>CPD (Canadian Patent Database), Delphion, Esp@cenet</b> <b>Search Terms: Separation, Turbulent, Liquid, Vapour, Gas</b>		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No(s).
X	<b>CA 2 388 108 A1 (Krepelka D.), 10 Dec 2003 (10-12-2003)</b> *Description pages 2-3; Claims*	<b>1-6, 9-21, 24-33, 41-48, 52, 53</b>
X	<b>GB 1 505 293 A1 (Biebighaeuser Metallwerk), 30 Mar 1978 (30-03-1978)</b> *Description pages 1-2; Claims 1-6*	<b>1-6, 9-21, 24-33, 41-48, 52, 53</b>
X	<b>US 6 080 225 (Förster M.), 27 Jun 2000 (27-06-2000)</b> *Description col. 1, line 60 - col. 3, line 30; Claims 1-9; Figure 1*	<b>1-6, 9-21, 24-33, 41-48, 52, 53</b>
X	<b>CA 1 113 024 (Arhippainen B. et al.), 24 Nov 1981 (24-11-1981)</b> *Description pages 2-4*	<b>1-6, 9-21, 24-33, 37-39, 41-48, 52, 53</b>
A	<b>CA 2 127 773 A1 (Lerner, B.), 22 Jul 1995 (22-07-1995)</b>	<b>1 - 53</b>
A	<b>CA 2 477 456 A1 (Cargnelli, J. et al.), 13 Nov 2003 (13-11-2003)</b>	<b>1 - 53</b>
A	<b>CA 2 448 255 A1 (West, H.), 19 Dec 2002 (19-12-2002)</b>	<b>1 - 53</b>
A	<b>NL 1 002 543 C1 (Van Hardeveld, R.), 8 Sept 1997 (08-09-1997)</b>	<b>1 - 53</b>
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
*	Special categories of cited documents :	
"A"	document defining the general state of the art which is not considered to be of particular relevance	
"E"	earlier application or patent but published on or after the international filing date	
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	
"O"	document referring to an oral disclosure, use, exhibition or other means	
"P"	document published prior to the international filing date but later than the priority date claimed	
"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
"&"	document member of the same patent family	
Date of the actual completion of the international search <b>06 April 2005 (06-04-2005)</b>		Date of mailing of the international search report <b>16 May 2005 (16-05-2005)</b>
Name and mailing address of the ISA/CA Canadian Intellectual Property Office Place du Portage I, C114 - 1st Floor, Box PCT 50 Victoria Street Gatineau, Quebec K1A 0C9 Facsimile No.: 001(819)953-2476		Authorized officer  <b>Harold Gallagher (819) 934-2332</b>

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Information on patent family members

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Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
CA 2388108	10-12-2003	NONE	
GB 1505293	30-03-1978	NONE	
US 6080225	27-06-2000	AT 250461T T AT 283109T T AU 6357696 A AU 6357796 A CA 2203891 A1 CA 2204012 A1 DE 59610732D D1 DE 59611148D D1 DK 782476T T3 EP 0782471 A1 EP 0782476 A1 US 6003434 A WO 9700116 A1 WO 9700139 A1	15-10-2003 15-12-2004 15-01-1997 15-01-1997 03-01-1997 03-01-1997 30-10-2003 30-12-2004 09-02-2004 09-07-1997 09-07-1997 21-12-1999 03-01-1997 03-01-1997
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